

Reply to Office Action of 09/08/2005  
Amendment Dated: December 21, 2005

Appl. No.: 10/086,346  
Attorney Docket No.: CSCO-015/5200

### Listing of Claims

1 Claim 1 (Currently Amended): A method of allowing a subscriber to access a  
2 service, said method being performed in a service selection gateway (SSG), said method  
3 comprising:

4 receiving a first set of access addresses, wherein said first set of access addresses  
5 represent the set of addresses at which associated with said service can be accessed;

6 forwarding a first plurality of packets, each of said first plurality of packets is  
7 destined to one of said first set of access addresses such that said subscriber can access  
8 said service;

9 receiving a request to change said first set of access addresses to a new set of  
10 access addresses, wherein said new set of access addresses represent addresses at which  
11 said service can be continued to be accessed; and

12 forwarding a second plurality of packets, each of said second plurality of packets  
13 being destined to one of said new set of access addresses such that said subscriber can  
14 continue to access said service.

1 Claim 2 (Currently Amended): The method of claim 1, further comprising maintaining  
2 a service information which determines whether each packet in said first plurality of packets  
3 and second plurality of packets is forwarded or not, wherein said service information  
4 comprises said first set of access addresses in response to said receiving a first set of access  
5 addresses, and said service information comprises said new set of access addresses in  
6 response to said receiving a request to change.

1 Claim 3 (Original): The method of claim 2, wherein said request to change comprises  
2 a request to add a new address to said first set of addresses.

1 Claim 4 (Original): The method of claim 3, wherein a subscriber system used by said  
2 subscriber communicates directly with a user system having said new address when said  
3 service information comprises said new set of access addresses.

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1 Claim 5 (Original): The method of claim 4, wherein said maintaining comprises  
2 storing in a service object the addresses of a set of servers said subscriber system is permitted  
3 to access.

1 Claim 6 (Original): The method of claim 3, further comprising:  
2 receiving another request specifying deletion of said new address; and  
3 removing said new address from said new set of access addresses such that said  
4 service information contains only said first set of access addresses.

1 Claim 7 (Original): The method of claim 3, further comprising:  
2 maintaining a contacts information specifying a set of contacts permitted to change  
3 addresses associated with each service; and  
4 examining said contact information to determine whether said request to change is  
5 received from a system permitted to change said first set of access addresses.

1 Claim 8 (Currently Amended): A service selection gateway (SSG) allowing a  
2 subscriber to access a service, said SSG comprising:  
3 means for receiving a first set of access addresses, wherein said first set of access  
4 addresses represent the set of addresses at which associated with said service can be accessed;  
5 means for forwarding a first plurality of packets, each of said first plurality of packets  
6 is destined to one of said first set of access addresses such that said subscriber can access said  
7 service;  
8 means for receiving a request to change said first set of access addresses to a new set  
9 of access addresses, wherein said new set of access addresses represent addresses at which  
10 said service can be continued to be accessed; and  
11 means for forwarding a second plurality of packets, each of said second plurality of  
12 packets being destined to one of said new set of access addresses such that said subscriber can  
13 continue to access said service .

1 Claim 9 (Currently Amended): The service selection gateway of claim 8, further

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2 comprising means for maintaining a service information which determines whether each  
3 packet in said first plurality of packets and second plurality of packets is forwarded or not,  
4 wherein said service information comprises said first set of access addresses upon receiving  
5 said first set of access addresses, and said service information comprises said new set of  
6 access addresses upon receiving said request to change.

1 Claim 10. (Original): The service selection gateway of claim 9, wherein said request  
2 to change comprises a request to add a new address to said first set of addresses.

1 Claim 11 (Original): The service selection gateway of claim 10, wherein a subscriber  
2 system used by said subscriber communicates directly with a user system having said new  
3 address when said service information comprises said new set of access addresses.

1 Claim 12 (Original): The service selection gateway of claim 11, wherein said means  
2 for maintaining comprises means for storing in a service object the addresses of a set of  
3 servers said subscriber system is permitted to access.

1 Claim 13 (Original): The service selection gateway of claim 10, further comprising:  
2 means for receiving another request specifying deletion of said new address; and means for  
3 removing said new address from said new set of access addresses such that said service  
4 information contains only said first set of access addresses.

1 Claim 14 (Original): The service selection gateway of claim 10, further comprising:  
2 means for maintaining a contacts information specifying a set of contacts permitted to  
3 change addresses associated with each service; and  
4 means for examining said contact information to determine whether said request to  
5 change is received from a system permitted to change said first set of access addresses.

1 Claim 15 (Currently Amended): A computer readable medium carrying one or more  
2 sequences of instructions for causing a service selection gateway (SSG) to allow a subscriber

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3 to access a service, wherein execution of said one or more sequences of instructions by one  
4 or more processors contained in said SSG causes said one or more processors to perform the  
5 actions of:

6 receiving a first set of access addresses, wherein said first set of access addresses  
7 represent the set of addresses at which associated with said service can be accessed;

8 forwarding a first plurality of packets, each of said first plurality of packets is  
9 destined to one of said first set of access addresses such that said subscriber can access  
10 said service;

11 receiving a request to change said first set of access addresses to a new set of  
12 access addresses, wherein said new set of access addresses represent addresses at which  
13 said service can be continued to be accessed; and

14 forwarding a second plurality of packets, each of said second plurality of packets  
15 being destined to one of said new set of access addresses such that said subscriber can  
16 continue to access said service.

1 Claim 16 (Currently Amended): The computer readable medium of claim 15, further  
2 comprising maintaining a service information which determines whether each packet in said  
3 first plurality of packets and second plurality of packets is forwarded or not, wherein said  
4 service information comprises said first set of access addresses in response to said receiving  
5 a first set of access addresses, and said service information comprises said new set of access  
6 addresses in response to said receiving a request to change.

1 Claim 17 (Original): The computer readable medium of claim 16, wherein said request  
2 to change comprises a request to add a new address to said first set of addresses.

1 Claim 18 (Original): The computer readable medium of claim 17, wherein a subscriber  
2 system used by said subscriber communicates directly with a user system having said new  
3 address when said service information comprises said new set of access addresses.

1 Claim 19 (Original): The computer readable medium of claim 18, wherein said

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maintaining comprises storing in a service object the addresses of a set of servers said subscriber system is permitted to access.

Claim 20 (Original): The computer readable medium of claim 19, wherein said maintaining further comprises:

creating a host object when said subscriber is authenticated;  
creating a service object for each of a plurality of services; and  
using a connection object to map said host object to one of said plurality of services said subscriber is permitted to access.

Claim 21 (Original): The computer readable medium of claim 17, further comprising:  
receiving another request specifying deletion of said new address; and  
removing said new address from said new set of access addresses such that said service information contains only said first set of access addresses.

Claim 22 (Original): The computer readable medium of claim 17, further comprising:  
maintaining a contacts information specifying a set of contacts permitted to change addresses associated with each service; and  
examining said contact information to determine whether said request to change is received from a system permitted to change said first set of access addresses.

Claim 23 (Currently Amended): A service selection gateway (SSG) allowing a subscriber to access a service, said SSG comprising:  
a forwarding engine forwarding packets according to a service information;  
a memory storing said service information comprising a first set of access addresses ~~associated with~~ representing the set of addresses at which said service can be accessed, such that said subscriber can access said service based on packets forwarded by said forwarding engine;  
an input interface receiving a request to change said first set of access addresses to a new set of access addresses, wherein said new set of access addresses represent addresses

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10 at which said service can be continued to be accessed; and

11 a configuration logic changing said service information such that said new set of  
12 access addresses are associated with said service, whereby said subscriber uses said service  
13 with said new set of access addresses.

1 Claim 24 (Original): The SSG of claim 23, further comprising:

2 a parser receiving a packet and determining whether said packet contains said request  
3 or is related to a routing protocol or is to be forwarded, said parser sending said packet to said  
4 forwarding engine if said packet is to be forwarded, said parser sending said packet to said  
5 configuration logic if said packet contains said request; and

6 a routing logic receiving said packet if said packet is related to said routing protocol,  
7 said routing logic configuring a routing table according to said packet.

1 Claim 25 (Original): The SSG of claim 23, further comprising a contacts table which

2 indicates a set of contacts permitted to change addresses associated with each service, and  
3 wherein said configuration logic examines said contact table to determine whether said  
4 request to change is received from a system permitted to change said first set of access  
5 addresses.

1 Claim 26 (Original): The SSG of claim 23, wherein said request to change comprises

2 a request to add a new address to said first set of addresses.

1 Claim 27 (Original): The SSG of claim 26, wherein a subscriber system used by said

2 subscriber communicates directly with a user system having said new address when said  
3 service information comprises said new set of access addresses.

1 Claim 28 (Original): The SSG of claim 26, wherein said input interface receives

2 another request specifying deletion of said new address, and said configuration logic removes  
3 said new address from said new set of access addresses such that said service information  
4 contains only said first set of access addresses.

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1           Claim 29 (New): The method of claim 3, wherein said first set of access addresses  
2           correspond to address of servers which provide said service, and wherein said request is  
3           received from one of said servers.

1           Claim 30 (New) : The method of claim 29, wherein said new address comprises  
2           an address of another system which also needs to be accessed as a part of said service.

1           Claim 31 (New) : The method of claim 30, wherein said service comprises net  
2           meeting and said another system corresponds to another user system which is part of said  
3           net meeting service.

1           Claim 32 (New) : The service selection gateway of claim 10, wherein said first set  
2           of access addresses correspond to address of servers which provide said service, and  
3           wherein said request is received from one of said servers.

1           Claim 33 (New): The computer readable medium of claim 17, wherein said first set  
2           of access addresses correspond to address of servers which provide said service, and  
3           wherein said request is received from one of said servers.